

CONTRACT CHANGE ORDER

Change Requested by: Engineer

CCO: 146 Suppl. No. 0 Contract No. 04 – 0120F4 Road SF-80-13.2/13.9 FED. AID LOC.:

To: **AMERICAN BRIDGE/FLUOR ENTERPRISES INC A JOINT VENTURE**

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid. (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. This last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate

Extra Work at Force Account

As directed by the Engineer, furnish, install and provide technical services for a Long-term Strain Monitoring system and Field Vibration Data Acquisition system for performance monitoring of the repaired eye bar member on the San Francisco Oakland Bay Bridge (SFOBB).

The Long-term Strain Monitoring system shall consist of:

- (1) DAQ system enclosure mounted on Bay Bridge
- (8) installed strain gages using epoxy bonding
- complete system documentation
- (2) months data monitoring
- (5) days onsite training
- (40) hours phone support

The Field Vibration Data Acquisition system shall consist of:

- (1) Ruggedized DAQ system in Pelican Case
- (1) Pelican Case battery pack (approx 60 Amp-Hour)
- (1) Pelican transducer carrying case
- (3) triaxial accelerometer transducers, magnetic base
- (1) wind speed sensor, magnetic base
- complete system documentation
- (5) days onsite training
- (40) hours phone support

For the work of this CCO, the first paragraph in Section 7-1.12B (4)(b), "Liability Limits/Additional Insureds," of the Standard Specifications as amended in the Special Provisions is revised as follows:

The limits of liability shall be the Contractor's \$2M Primary General Liability and \$25M First Layer Excess Liability Insurance Policies.

Labor, equipment and material authorized by the Engineer, as necessary, will be paid in accordance with the provisions of Section 4-1.03D, "Extra Work" of the Standard Specifications and Section 5-1.24, "Force Account Payment" of the Special Provisions

Estimated Cost of Extra Work at Force Account.....\$600,000.00

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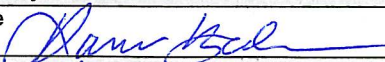
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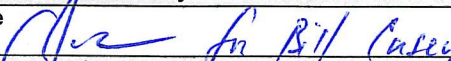
Estimated Cost: Increase ☒ Decrease ☐ \$600,000.00

By reason of this order the time of completion will be adjusted as follows: 0 days

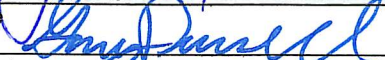
Submitted by

Signature 	Resident Engineer	Kannu Balan Senior T.E.	Date 7/21/10
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Approval Recommended by

Signature 	Supervising Bridge Engineer	Bill Casey, Actg Sup B.E.	Date 7/21/10
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Engineer Approval by

Signature 	Principal Transportation Engineer	Peter Siegenthaler, Prin.T.E.	Date 7/28/10
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We the undersigned contractor, have given careful consideration to the change proposed and agree, if this proposal is approved, that we will provide all equipment, furnish the materials, except as otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment therefor the prices shown above.

NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

Contractor Acceptance by

Signature 	(Print name and title)	Michael D. Flowers Project Director	Date 7-27-10
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